

SUMMARY

Analytical Services [222-S, Hanford Analytical Services Program (HASP), Waste Sampling and Characterization Facility (WSCF)] consists of Analytical Services, PBS WM06, WBS 1.2.4.

NOTE: Unless otherwise noted, the Safety, Conduct of Operations, and Cost/Schedule data contained herein is as of February 29, 2000. Other information is updated as noted.

Fiscal-year-to-date-milestone performance (EA, DOE-HQ and RL) shows no milestones are due this reporting period.

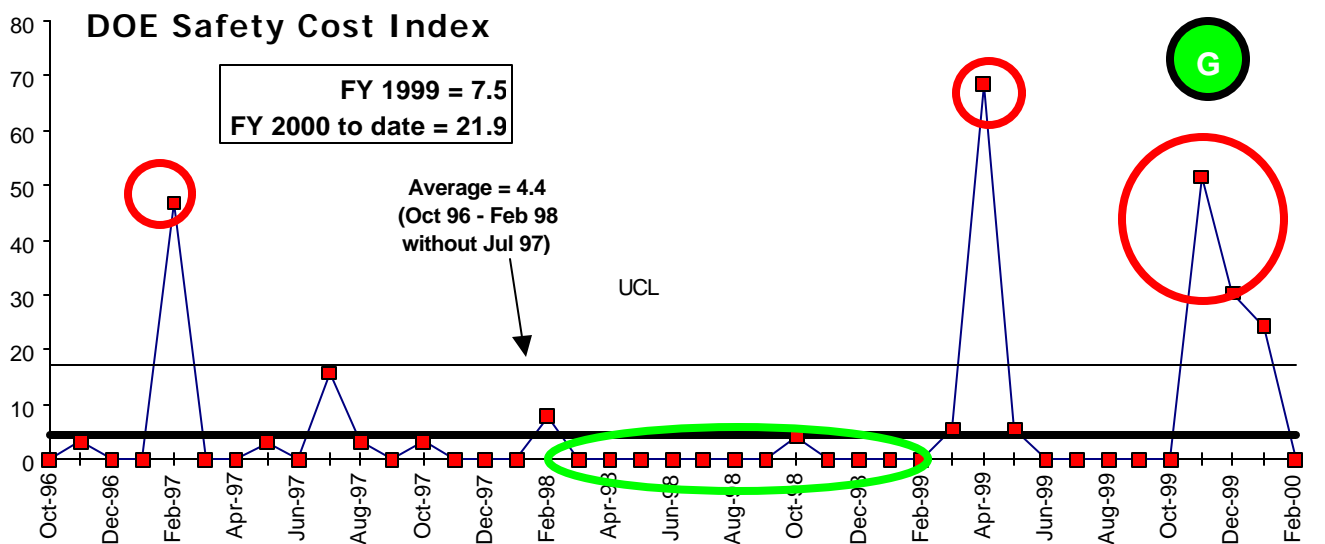
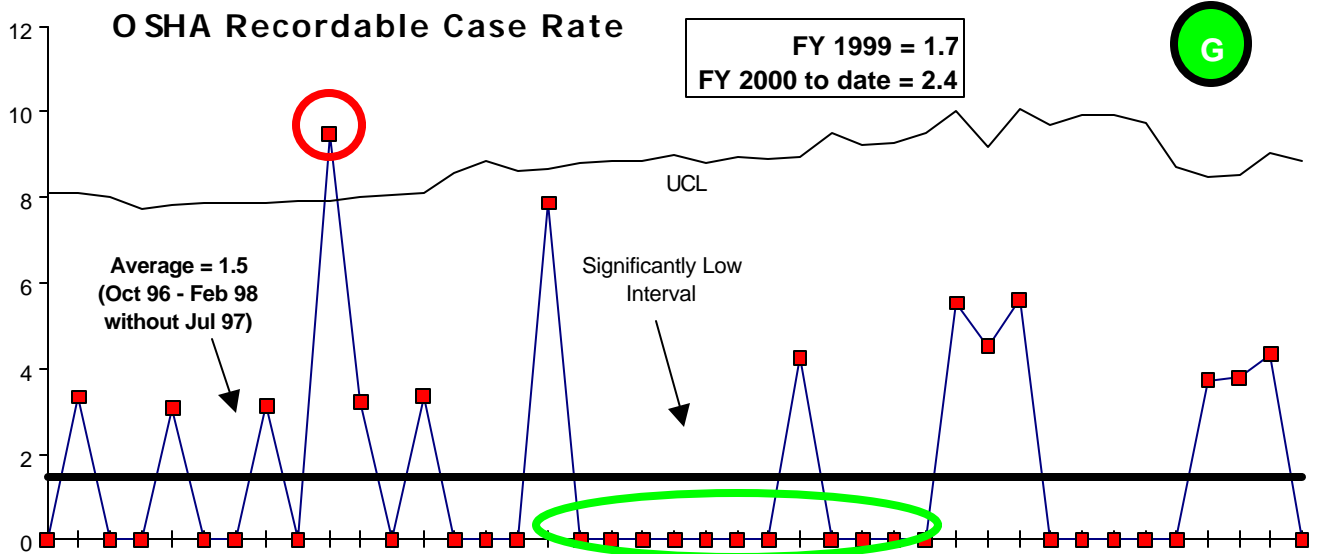
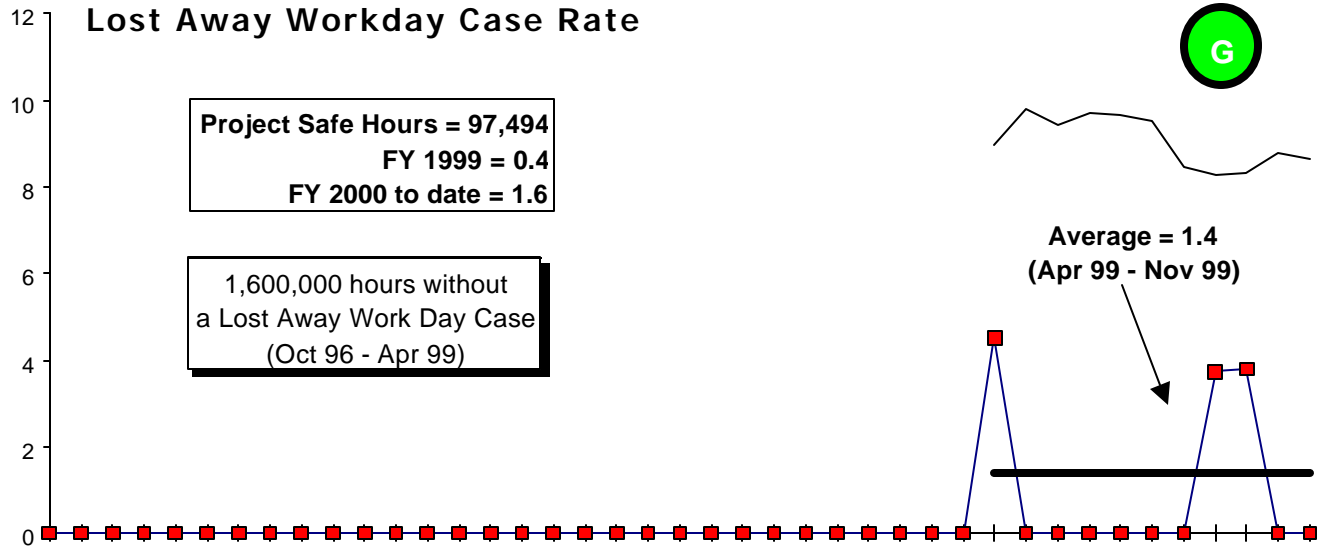
ACCOMPLISHMENTS

- February and March analytical output has been high, with a total of 4.0 AEUs processed at the 222-S Laboratory through March 3, 2000 in support of the RPP (TWRS) tank characterization program as planned. Completed the report on AZ-102 on February 11, 2000 and the grab sample analysis and report on AP-107 on February 29, 2000, both as planned. Three additional reports (AP-107, ER-311, and AY-102) were released in early March 2000. A total of 5.3 AEUs have been processed through March 24, 2000 out of the required 11 for the year.
- Procedures, methods, equipment, and training all had to be significantly revised to meet the new WIPP permit from the State of New Mexico. All these changes had to be done rapidly to meet overall project audit and shipment schedules. Performed 7,500 analyses (FYTD) through February 2000 at WSCF for a wide variety of customers as planned. Through March 24, 2000, 8,700 analyses have been completed at WSCF.
- Completed the Facility Evaluation Board audit at the 222-S and WSCF laboratories in January 2000. The final FEB report was issued in February 2000 with improvements in 9 of 10 areas and an overall rating of “3”.

SAFETY

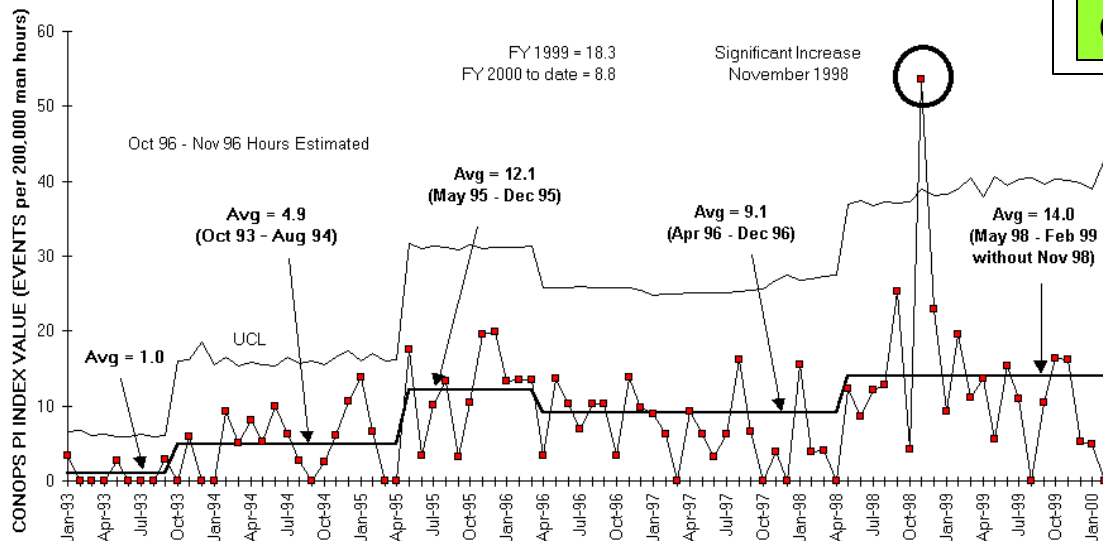
Although a small organization (a single case generates a high case per hour figure), the three recent (April, November and December 1999) Lost Away Workday cases should be examined closely as they reflect a significant increase over previous history. Analytical Services had no lost away cases during January and February 2000. The project will continue to refocus on safety and personal and team accountability. The four-month trend is a positive indication for performance during the second half of FY 2000.

There were no new OSHA recordable cases in February.



CONDUCT OF OPERATIONS / ISMS STATUS

CONDUCT OF OPERATIONS



ISMS STATUS

Green

Analytical Services ISMS status is included in the Waste Management Project Section of this report. Overall, on track for the May 2000 verification with a need to improve employee involvement.

BREAKTHROUGHS / OPPORTUNITIES FOR IMPROVEMENT

No breakthroughs or opportunities for improvement were identified at this time.

UPCOMING ACTIVITIES

WIPP Certification and Waste Shipments -- Staff is expediting analytical work and data reports to provide additional qualified drums for shipment to WIPP. Potential issues with some prior sampled drums make this a necessity.

242A Evaporator Operations – Due to inadequate feed material from tank farms, expedited analysis of a second tank is underway to support the planned April 2000 campaign.

ORP Readiness to Proceed – It has been determined that Analytical Services is prepared to support the readiness to proceed decision for the BNFL contract. Key follow-up actions are:

- Formal specification of requirements from ORP to RL and then to FH
- Stable funding of needed equipment and facility repair in Multi-Year Work Plans (RL and ORP)
- Funding replacement of obsolete laboratory support systems (Information Management)
- Funding of staff to maintain core competency.

COST PERFORMANCE (\$M):

	BCWP	ACWP	VARIANCE
Analytical Services	\$10.8	\$11.5	- \$0.7

The \$0.7 million (7 percent) unfavorable cost variance is due to increased cost for 222-S Laboratory polychlorinated biphenyl recovery and increased resources required to support compliance issues.

SCHEDULE PERFORMANCE (\$M):

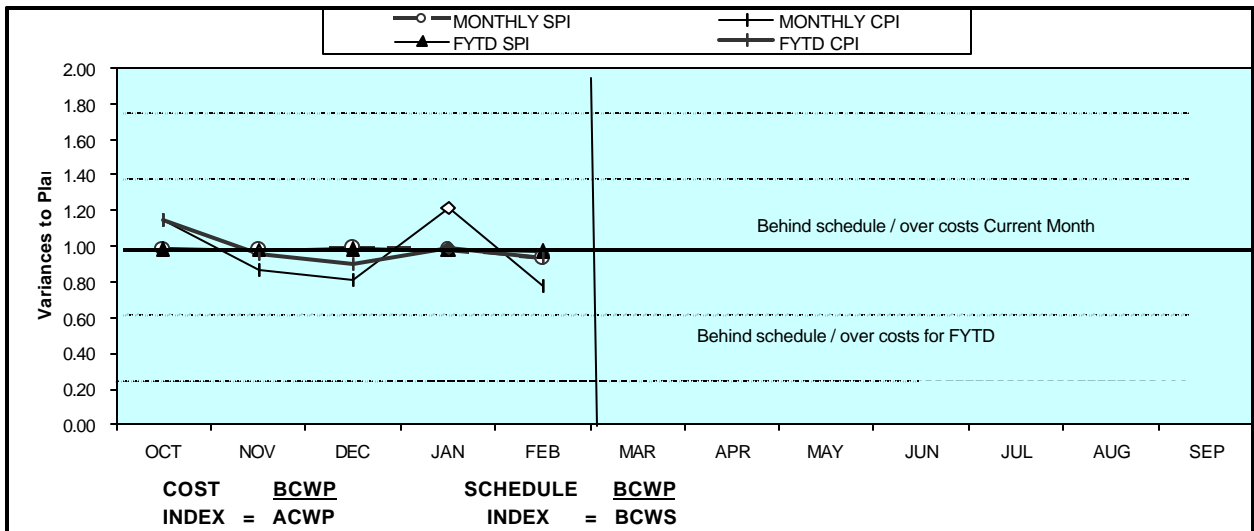
	BCWP	BCWS	VARIANCE
Analytical Services	\$10.8	\$11.1	- \$0.3

The \$0.3 million (3 percent) unfavorable schedule variance is within the established threshold.

FY 2000 COST/SCHEDULE PERFORMANCE – ALL FUND TYPES CUMULATIVE TO DATE STATUS – (\$000)

		FYTD							
Bv	PBS	BCWS	BCWP	ACWP	SV	%	CV	%	PEM
WBS									
1.2.4	Analytical								
WM06	Services	\$ 11,080	\$ 10,797	\$ 11,506	\$ (283)	-3%	\$ (709)	-7%	\$ 27,752
Total		\$ 11,080	\$ 10,797	\$ 11,506	\$ (283)	-3%	\$ (709)	-7%	\$ 27,752

COST/SCHEDULE PERFORMANCE INDICES (FEBRUARY 2000 AND FYTD)



FY 2000	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MONTHLY SPI	0.99	0.98	0.99	0.98	0.94							
MONTHLY CPI	1.14	0.87	0.81	1.22	0.78							
FYTD SPI	0.99	0.98	0.99	0.98	0.97							
FYTD CPI	1.14	0.96	0.91	0.99	0.94							
MONTHLY BCWS	\$1,588	\$2,340	\$1,973	\$2,896	\$2,283							
MONTHLY BCWP	\$1,566	\$2,288	\$1,961	\$2,847	\$2,135							
MONTHLY ACWP	\$1,369	\$2,640	\$2,414	\$2,342	\$2,741							
FYTD BCWS	\$1,588	\$3,928	\$5,901	\$8,797	\$11,080							
FYTD BCWP	\$1,566	\$3,854	\$5,815	\$8,662	\$10,797							
FYTD ACWP	\$1,369	\$4,009	\$6,423	\$8,765	\$11,506							

Cost Variance Analysis: (- \$0.7M)

WBS/PBS

Title

1.2.4/WM06

Analytical Services

Description/Cause: The unfavorable cost variance is of \$0.7 million (6.6 percent) is due to increased costs for 222-S Tank 104 poly-chlorinated biphenyl recovery activities; increased resources in support of compliance issues, ISM implementation, corrective action management, and chemical technologist training development.

Impact: Current yearend spending projections indicate a \$1.0M overrun.

Corrective Action: Corrective actions have been identified and implemented to control spending to available funds. However, further actions are required. Management will continue to monitor costs and recommend potential areas where costs can be reduced to avoid exceedence of funding thresholds.

Schedule Variance Analysis: (- \$0.3M)

WBS/PBS

Title

1.2.4/WM06

Analytical Services

Description /Cause: The unfavorable schedule variance of \$0.3M (2.6 percent) is within established threshold.

Impact: None

Corrective Action: None required.

ISSUES

Technical Issues

Issues were self-identified in the WSCF laboratory's conformance to certain customer's (200 ETF, 300 TEDF) permit-mandated regulatory protocols (sample digestion, holding times and accreditation status).

Impacts could be discharge permit violation depending on the type of samples. A regulatory penalty is unlikely. Corrective actions are being taken in each area and customers have been notified to enable impact assessment. Rework of all useable archived samples are complete.

DOE/Regulator/External Issues

CAO Audit of TRU Project — Complete actions to sustain field audit and support waste shipment to WIPP. Complete laboratory support required for headspace gas sampling and analysis.

BASELINE CHANGE REQUESTS CURRENTLY IN PROCESS (\$000)

PROJECT CHANGE NUMBER	DATE ORIGIN.	BCR TITLE	FY00 COST IMPACT \$000	SCH	TECH	DATE TO CCB	CCB APR'VD	RL APR'VD	CURRENT STATUS
WM-2000-002	1/3/00	Waste Management FY 2000 Mandated Funds Reductions	-878.50			2/17/00			BCR submitted to RL for review and approval.
ADVANCE WORK AUTHORIZATIONS									
		Nothing to report.							

ANALYTICAL SERVICES – WBS 1.2.4

MILESTONE ACHIEVEMENT

M I L E S T O N E T Y P E	FISCAL YEAR-TO-DATE				REMAINING SCHEDULED			T O T A L F Y 2 0 0 0
	Completed Early	Completed On Schedule	Completed Late	Overdue	Forecast Early	Forecast On Schedule	Forecast Late	
Enforceable Agreement	0	0	0	0	0	0	0	0
DOE-HQ	0	0	0	0	0	0	0	0
EO	0	0	0	0	0	0	0	0
RL	0	0	0	0	0	1	0	1
Total Project	0	0	0	0	0	1	0	1

Tri-Party Agreement / EA Milestones
Nothing to report.
DNFSB Commitments
Nothing to report.

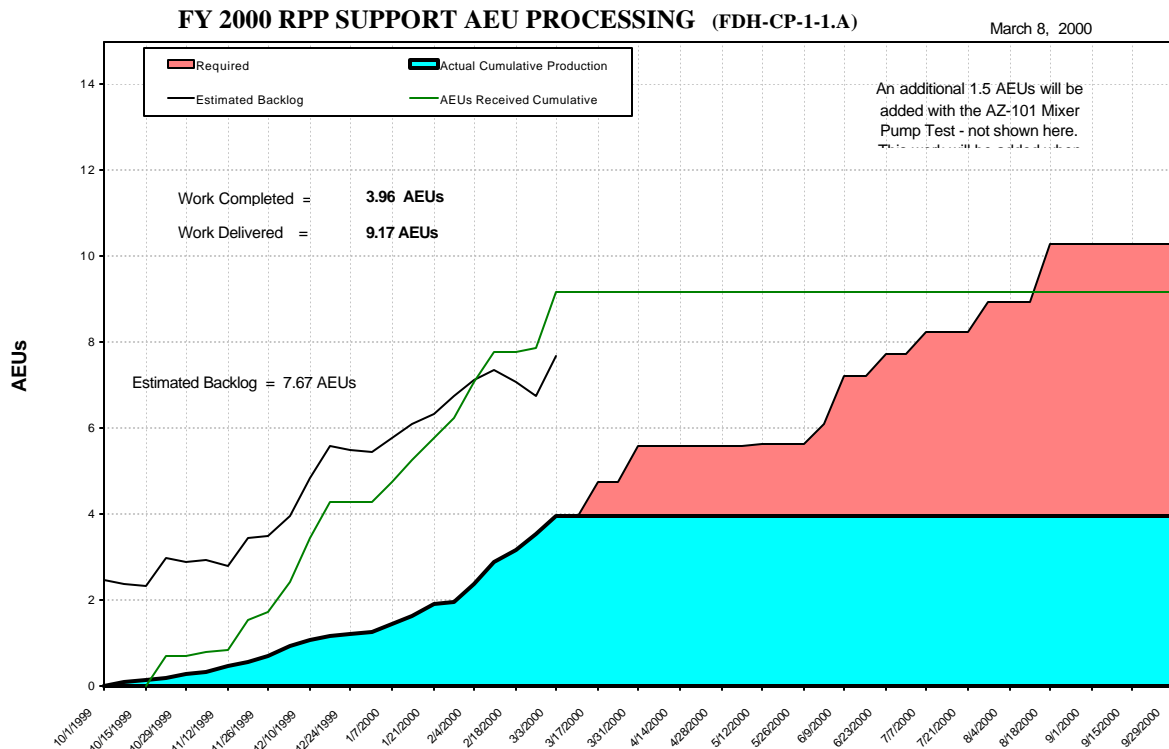
MILESTONE EXCEPTION REPORT

<u>Number/WBS</u>	<u>Level</u>	<u>Milestone Title</u>	<u>Baseline Date</u>	<u>Forecast Date</u>
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OVERDUE – 0

FORECAST LATE – 0

Performance Objectives



Continue working with RPP on 222-S laboratory production integration. Will meet September commitment of eleven AEUs. Production through March 24, 2000 is 5.3 AEUs.

Yellow

KEY INTEGRATION ACTIVITIES

- Support ORP Privatization Readiness-to-Proceed activities.
- Continue to support BNFL efforts to establish required analytical support for glassification operations.
 - In the longer term, BNFL could utilize unused space at WSCF for cold run test support and process laboratory analytical equipment testing.
 - The 222-S laboratory, with some refurbishment might become a low cost option to a new large scale laboratory associated with the glassification facility.
- Continue to support RL with the WSCF path-forward study, which evaluates the spectrum of services WSCF provides versus other potential options.
 - Discussions by the Site Management Board is planned in late April 2000.